



**INFORMATION DISCLOSURE
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PTO-1449**

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APPLICANT
Michael M. Burrell

FILING DATE
August 2, 1994

GROUP ART UNIT
1638

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER		PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
DJE	1	4,696,674	September 29, 1987	Cipar			
	2	4,801,540	January 31, 1989	Hiatt et al.			
	3	4,940,835	July 10, 1990	Shah et al.			
	4	4,971,908	November 20, 1990	Kishore et al.			
	5	5,387,756	February 7, 1995	Burrell et al.			12/17/1990
	6	5,498,830	March 12, 1996	Barry et al.			06/18/1990
	7	5,608,149	March 4, 1997	Barry et al.			06/18/1990
	8	5,608,150	March 4, 1997	Conner			03/20/1995
	9	5,648,249	July 15, 1997	Barry et al.			03/20/1995
	10	5,658,773	August 19, 1997	Bennett et al.			10/07/1991
	11	6,489,539	December 3, 2002	Burrell			12/17/1990
	12	6,538,178	March 25, 2003	Kishore			06/18/1990
	13	6,538,179	March 25, 2003	Barry et al.			06/18/1990

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
DJE	14	EP-0 120 551-A2	October 3, 1984	EP				
	15	EP-0 218 571-A2	April 15, 1987	EP				
	16	EP-0 368 506-A2	May 16, 1990	EP				
	17	EP-0 455 316-A2	November 6, 1991	EP				
	18	EP-0 466 995-A2	January 22, 1992	EP				
	19	DE-41 24 537-A1	February 6, 1992	DE				
	20	JP-5-153981	June 22, 1993	JP				
	21	JP-6-90767	April 5, 1994	JP				
	22	EP-0 634 491-A1	January 18, 1995	EP				
	23	EP-0 654 531-A1	May 24, 1995	EP				
	24	JP-7-227286	August 29, 1995	JP				
	25	EP-0 779 363-A2	June 18, 1997	EP				
	26	WO 91/04036	April 4, 1991	PCT				
	27	WO 91/19806	December 26, 1991	PCT				
	28	WO 92/01782	February 6, 1992	PCT				
	29	WO 92/11375	July 9, 1992	PCT				
	30	WO 92/11376	July 9, 1992	PCT				
	31	WO 92/14827	September 3, 1992	PCT				

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EXAMINER INITIAL	DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
DJ	32	WO 94/00563	January 6, 1994	PCT				
	33	WO 94/28146	December 8, 1994	PCT				
	34	WO 94/28149	December 8, 1994	PCT				
	35	WO 94/24292	October 27, 1994	PCT				
	36	WO 95/05457	February 23, 1995	PCT				
	37	WO 95/34660	December 21, 1995	PCT				
	38	WO 96/15248	May 23, 1996	PCT				
	39	WO 96/21738	July 18, 1996	PCT				
	40	WO 97/15678	May 1, 1997	PCT				
	41	WO 97/20936	June 12, 1997	PCT				
	42	WO 97/26362	July 24, 1997	PCT				

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DJ	43	Anderson et al., 1990, Vayda & Park (eds) "Enhancing Carbon Flow into Starch: the Role of ADPGlucose Pyrophosphorylase" The Molecular Biology of the Potato, C.A.B. International, Wallingford, pp. 159-180.
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	46	Caspar et al., 1985, "Alterations in Growth, Photosynthesis, and Respiration in a Starchless Mutant of <i>Arabidopsis thaliana</i> (L.) Deficient in Chloroplast Phosphoglucomutase Activity" Plant Physiol 79:11-17.
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	48	de Fekete, 1968, "The Role of Phosphorylase in Starch Metabolism in Plasmids" Planta 208-221.
	49	Dickinson et al., 1969, "Presence of ADP-Glucose Phosphorylase in Shrunk-2 and Brittle-2 Mutants of Maize Endosperm" Plant Physiol, 44:1058-1062.
	50	Fredeen et al., 1989, "Influence Of Phosphorus Nutrition On Growth And Carbon Partitioning In Glycine Max" Plant Physiol 89:225-230.
	51	Ghosh et al., 1966, "Adenosine Diphosphate Glucose Phosphorylase" J. Biol. Chem., 241 (19):4491-4504.
	52	Hawker et al., 1979, "Starch Synthesis in Developing Potato Tubers" Physiol. Plant 46:25-30.
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	55	John, 1992, John Wiley & Sons (eds) Biosynthesis of the Major Group Products pp. 33-54
	56	Kleinkopf et al., 1987, "Specific Gravity of Russet Burbank Potatoes" American Potato Journal 64:579-587
	57	Koßmann et al., 1991, "Cloning and Expression Analysis of a Potato cDNA That Encodes Branching Enzyme: Evidence for Co-Expression of Starch Biocynthesis Genes" Mol Gen Genet 230-239.
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D	59	Kumar et al., 1986, "Biosynthesis of Bacterial Glycogen" J. Biol. Chem. 264:10464-10471.
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	61	Meyer et al., 1993, "A Cloning, Expression, and Sequence of an Allosteric Mutant ADPglucose Pyrophosphorylase from <i>Escherichia coli</i> " Arch. Bioch. Biophys. 302(1):64-71.
	62	Morell et al., 1987, "Biochemistry and Molecular Biology of Starch Synthesis" Plant Gene Systems and Their Biology, 227-242
	63	Müller-Röber, 1990, "One of two different ADP-glucose pyrophosphorylase genes from potato responds strongly to elevated levels of sucrose" Mol. Gen. Genet. 224:136-146.
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	66	Olive et al., 1989, "Isolation and nucleotide sequence of cDNA clones encoding ADP-glucose pyrophosphorylase polypeptides from wheat leaf and endosperm" Plant Mol. Biol. 12:525-538.
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	71	Russell et al., 1993, "Plasmid Targeting Of <i>E.coli</i> β -glucuronidase and ADP-glucose pyrophosphorylase in maize (<i>Zea mays</i> L.) cells" Plant Cell Reports 13:24-27.
	72	Sheehy et al., 1988, "Reduction of polygalacturonase activity in tomato fruit by antisense RNA" Proc. Natl. Acad. Sci. USA 85(23):8805-8809.
	73	Smith et al., 1989, "Evidence that the <i>rb</i> Locus Alters the Starch Content of Developing Pea Embryos through an Effect on ADP Glucose Pyrophosphorylase" Plant Physiol., 89:1279-1284.
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	75	Stark et al., 1992, "Regulation of the Amount of Starch in Plant Tissues by ADP Glucose Pyrophosphorylase" Science 258:287-292.
	76	Stitt et al., Academic Press: San Diego 1987, "Control of Photosynthetic Sucrose Formation" The Biochemistry of Plants, 10:328-409.
	*77	Stitt et al., 1995, "Regulation of Metabolism in Transgenic Plants" Ann. Rev. Plant Physiol. Plant Mol. Biol. 46:341-367.
	78	Sweetlove et al., 1996, "Characterization of transgenic potato (<i>Solanum tuberosum</i>) tubers with increased ADPglucose pyrophosphorylase" Biochem. J. 320:487-492.
	79	Vayda and Park, 1990 "The Molecular and Cellular Biology of the Potato" CAB International Table of Contents, First Edition (5 pages) and Belknap et al., eds., 1994, C.A.B. International: Wallingford, U.K. "The Molecular and Cellular Biology of the Potato" Table of Contents, Second Edition (5 pages).
	80	von Schaewen et al., 1990, "Expression of yeast-derived invertase in the cell wall of tobacco and Arabidopsis" EMBO J 9(10):3033-3044
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	82	Witt, 1989, "Changes in Activity of Enzymes Involved in Carbohydrate Metabolism During Dedifferentiation of Mature Cells of <i>Riella helicophylla</i> (Bory et Mont) Mont." J. Plant Physiol 135:597-600.

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.	
<i>DL</i>	83	English Language Abstract of DE 41 24 537
	84	English Language Abstract of JP 5-153981
	85	English Language Abstract of JP 6-90767
	86	English Language Abstract of JP 7-227286

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>6/8/65</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	